

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Trichotomy property B. Additive property of inequality C. Transitive property D. Multiplicative property
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. An empty set B. Universal set C. A singleton set D. None of these
5	The coordinates of the point that divides the join of A(-6,3) and B(5, -2) in the ratio 2:3 internally	
6	Tangent isfunction	A. Inverse B. one-one C. in-to D. Periodic
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. U C. $u/2$ D. $\log u$
8	The point which is closet to the focus of a parabola is:	A. vertex B. Chord C. Focus D. Directrix
9	If $a^x = b^y = c^z$ and a, b, c are in G.P. then x, y, z are in	A. A.P. B. G.P. C. H.P. D. None of these
10	Eight chairs are numbered 1 to 8. Two women and three men wish to occupy one chair each. First, the women choose the chairs from amongst the chairs marked 1 to 4 and then the men select the chairs from amongst the remaining. The number of possible arrangement is	A. ${}^6P_3 \cdot {}^3P_2$ B. ${}^4P_2 \cdot {}^4P_3$ C. ${}^4P_2 \cdot {}^6P_3$ D. None of these
11	$\tan 180^\circ =$ _____	A. -1 B. 0 C. 1 D. Undefined
12	In polar form of complex number r =	
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. 1
14	Range of $2 \tan x$ is _____	A. [-2, 2] B. $-1 < x < 1$ C. R D. None of these
15	If a force $F = 2i + j + 3k$ acts at point (1,-2,2) of a body then the moment of F about a point lying on the line of action of the force is	A. 5 B. Equal to the moment of the force about origin C. 0 D. Cannot be found
16	The smallest positive root of the equation $\tan x - x = 0$ lies on	
17	The series obtained by adding the terms of a geometric sequence is called	A. Infinite series B. Arithmetic series C. Geometric series D. Harmonic series

18 Question Image

- B. 3, 3
- C. 2, 6
- D. 2, 4

19 Question Image

20 $45^\circ = \underline{\hspace{2cm}}$